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Implementation Tool for the Miscellaneous Coating Manufacturing NESHAP Table of Contents Section 7 Section 8

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Section 7

Requirements for Closed-Vent Systems and Control Devices

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Table 7-1. Compliance Checklist for Bypass Line Provisions for Closed-Vent Systems

Note: Complete this checklist for each closed-vent system that contains a bypass line that could divert a vent stream away from a control device to the atmosphere. A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a question is not applicable, check the “N/A” box.

Note: The items in this checklist do not apply to low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, and pressure relief valves needed for safety purposes.

I. Review of Records

1. Are all of the following records available for a bypass line that is equipped with a flow indicator: §63.998(d)(1)(ii)(A)
 - (a) Hourly records of whether the flow indicator in the bypass line was operating? ☐ Y ☐ N/A ☐ N
 - (b) Whether a diversion was detected at any time during each hour? ☐ Y ☐ N/A ☐ N
 - (c) The times of all periods when the vent stream was diverted from the control device? ☐ Y ☐ N/A ☐ N
 - (d) The times of all periods when the flow indicator was not operating? ☐ Y ☐ N/A ☐ N
 2. Are all of the following records available for a bypass line that is equipped with a seal mechanism: §63.998(d)(1)(ii)(B)
 - (a) Occurrence of each monthly inspection of the seals or closure mechanism? ☐ Y ☐ N/A ☐ N
 - (b) All periods when the seal mechanism was broken, the bypass line valve position was changed, or the key to unlock the bypass line valve was checked out? ☐ Y ☐ N/A ☐ N
-

II. Visual Inspection

1. Is a flow indicator is present at the entrance to any bypass line that could divert the vent stream flow away from the control device to the atmosphere, or are all bypass line valves sealed in a closed position (e.g., with a car seal or lock-and-key configuration). ☐ Y ☐ N/A ☐ N
-

Table 7-1. (continued)

III. Note All Deficiencies

Table 7-2. Compliance Checklist for Closed-Vent Systems

Note: Complete this checklist for each closed-vent system. A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a requirement is not applicable, check the “N/A” box.

Note: This checklist does not apply to closed-vent systems that are operated under negative pressure. §63.983(a)

I. Review of Records

1. Are records kept that identify all parts of closed-vent systems that are designated as either unsafe-to-inspect or difficult-to-inspect? §63.998(d)(1)(i) ☐ Y ☐ N/A ☐ N
 2. For equipment that is designated as difficult to inspect, is a written plan kept that describes the actual monitoring frequency that will be used (and is at least once every 5 years)? §§63.983(b)(3)(ii) and 63.998(d)(1)(i) ☐ Y ☐ N/A ☐ N
 3. For equipment that is designated as unsafe to inspect, is a written plan kept that indicates equipment will be inspected as frequently as practicable during safe-to-inspect times (but not more frequently than annually)? §§63.983(b)(2)(ii) and 63.998(d)(1)(i) ☐ Y ☐ N/A ☐ N
 4. For each annual inspection during which a leak was detected, was all of the following information recorded and reported:^a §63.998(d)(1)(iii)
 - (a) Identification information of the leaking closed-vent system? ☐ Y ☐ N/A ☐ N
 - (b) Name or initials of operator conducting the inspection? ☐ Y ☐ N/A ☐ N
 - (c) Instrument identification number, if instrument monitoring applies? ☐ Y ☐ N/A ☐ N
 - (d) Date the leak was detected? ☐ Y ☐ N/A ☐ N
 - (e) Date of the first attempt to repair the leak? ☐ Y ☐ N/A ☐ N
 - (f) Maximum instrument reading after the leak is repaired or determined to be non-repairable? ☐ Y ☐ N/A ☐ N
 - (g) Explanation of delay in repair, if the leak was not repaired within 15 days after it was discovered? ☐ Y ☐ N/A ☐ N
 - (h) Date of successful repair of the leak? ☐ Y ☐ N/A ☐ N
 5. For each inspection during which no leaks were detected, were records kept of all of the following:^a §63.998(d)(1)(iv)
 - (a) Record that the inspection was performed? ☐ Y ☐ N/A ☐ N
 - (b) Date of the inspection? ☐ Y ☐ N/A ☐ N
 - (c) Statement that no leaks were found? ☐ Y ☐ N/A ☐ N
-

Table 7-2. (continued)**II. Note All Deficiencies**

^a Annual **visual inspections** for visible, audible, or olfactory indications of leaks are required for closed-vent systems that are constructed of hard-piping. Annual **instrument monitoring** using Method 21 of 40 CFR part 60, Appendix A, is required for closed-vent systems constructed of duct work.
§63.983(b)(1)(i)(B) and (ii)

Table 7-3. Compliance Checklist for Flares

Note: A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a requirement is not applicable, check the “N/A” box.

Flare Identification: _____

I. Review of Records

1. Is all of the following information recorded (and included in the flare compliance assessment report): §63.998(a)(1)(i)(A) through (C)
 - (a) Flare design (i.e., steam-assisted, air-assisted, or non-assisted)? ☐ Y ☐ N
 - (b) All visible emission readings, heat content determinations, flow rate measurements, and exit velocity determinations made during the flare compliance assessment? ☐ Y ☐ N
 - (c) All periods during the flare compliance assessment when all pilot flames are absent or, if only the flare flame is monitored, all periods when the flare flame is absent? ☐ Y ☐ N/A ☐ N
 2. Are hourly records kept of whether the monitor is continuously operating and whether the flare flame or at least one pilot flame is continuously present? §63.998(a)(1)(ii) ☐ Y ☐ N
 3. Are records kept of the times and durations of all periods during which the flare flame or all pilot flames are absent? §63.998(a)(1)(iii)(A) ☐ Y ☐ N/A ☐ N
 4. Are records kept of the times and durations of all periods during which the monitor is not operating? §63.998(a)(1)(iii)(B) ☐ Y ☐ N/A ☐ N
 5. Are all records kept for at least 5 years? §63.10(b)(1) ☐ Y ☐ N
-

II. Visual Inspection

1. Is a device for detecting pilot flames or the flare flame present and operating? ☐ Y ☐ N
-

III. Note All Deficiencies

Table 7-3. (continued)

III. Note All Deficiencies

Table 7-4. Compliance Checklist for Thermal Incinerators

Note: A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a requirement is not applicable, check the “N/A” box.

Thermal Incinerator Identification: _____

I. Review of Records

1. Does the facility maintain the initial compliance records in (a) or (b):

(a) The following records of performance tests:

• Either the percent reduction or outlet concentration of organic HAP or TOC? §63.998(a)(2)(ii)(B)(4) ☐ Y ☐ N/A ☐ N

• The firebox temperature averaged over the full period of the performance test? §63.998(a)(2)(ii)(B)(1) ☐ Y ☐ N/A ☐ N

(b) Documentation of the design evaluation in the notification of compliance status report? §63.8075(d)(2)(ii) ☐ Y ☐ N/A ☐ N

Note: A design evaluation may be conducted as an alternative to a performance test if the thermal incinerator is a small control device. §63.8000(d)(2)

2. Do records document that the facility continuously monitors the temperature of the gas stream in the firebox (or in the ductwork immediately downstream of the firebox before any substantial heat exchange occurs) or does the facility have documentation that they requested and received approval to conduct an alternative to continuous monitoring or to monitor an alternative parameter(s)? §§63.988(c)(1) and 63.996(d) ☐ Y ☐ N

3. If the facility continuously monitors temperature (or other approved parameters), has the facility:

(a) Established a site-specific operating range for the monitored parameter? §63.996(c)(6) ☐ Y ☐ N/A ☐ N

(b) Followed manufacturer’s or other written specifications or recommendations for installation, operation, and calibration of the monitoring equipment? §63.996(c)(1) and (3) ☐ Y ☐ N/A ☐ N

Table 7-4. (continued)

I. Review of Records

- (c) Maintained records of continuously monitored values in one of the following formats: §63.998(b)(1) ☐ Y ☐ N/A ☐ N

- all measured values, or
- all block average values for 15-minute or shorter periods calculated from all measured data values during each period (or from at least one measured data value per minute if measured more frequently than once per minute), or
- all continuous records for only the most recent 3 valid hours of records, and block hourly average values for earlier data?

Note: To use the third option, the data must be collected from an automated CPMS, and the hourly averages must include periods of CPMS breakdown and malfunction. (§63.998(b)(1)(iii)).

- (d) Maintained records of either daily average values or a statement that all values were within the established operating range? §63.998(b)(3) ☐ Y ☐ N/A ☐ N

Note: If the owner or operator chooses this option and the daily average value is not calculated and recorded, then continuous or short-term block averages may not be discarded as otherwise allowed by the third option in item “c” above. §63.998(b)(3)(ii)

Note: Averages may be over an operating block if the thermal incinerator is used to control emissions from process vessel vents and the owner or operator establishes separate operating limits for different emission episodes. §63.8005(f)

Note: Daily (or operating block) averages must be reported in the compliance reports for all days when an excursion occurred. An excursion is either a daily average value outside the established range or a day for which insufficient monitoring data were collected. §63.999(c)(6)

- (e) As an alternative to “c” and “d” above when the conditions for alternative recordkeeping in §63.998(b)(5)(i)(A) through (F) are met, does the facility meet both of the following requirements:

Note: This alternative is allowed if the thermal incinerator is used for process vessel vents and transfer racks, but not storage tanks. §63.998(b)(5) introductory paragraph

- Document in their notification of compliance status report or a compliance report that they were implementing this alternative? ☐ Y ☐ N/A ☐ N
- Retain only the daily average? ☐ Y ☐ N/A ☐ N

Note: No record of the daily average is required if 6 months have passed without an excursion. §63.998(d)(5)(ii)

Table 7-4. (continued)

I. Review of Records

- | | | | |
|---|----------------------------|------------------------------|----------------------------|
| (f) Maintained records of the occurrence and cause of all periods when the monitored temperature is outside the established range? §63.998(d)(5) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| 4. If the facility received approval to monitor an alternative parameter, are they performing the recordkeeping approved by the Administrator (§§63.999(d)(1) and (2), 63.8(f), and 63.10(b)(2)(vii) for control devices used for all other emissions)? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| <i>Note: If an alternative parameter is monitored continuously, the records described above in item "3" would be required for the alternative parameter. Alternative recordkeeping might be required if the alternative monitoring is not continuous.</i> | | | |
| 5. For any CPMS, does the facility have records of all of the following: §63.998(c)(1)(i) and (ii) | | | |
| (a) The procedure used for calibrating the CPMS? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (b) The date and time of completion of calibration and preventive maintenance of the CPMS? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (c) The "as found" and "as left" CPMS readings, whenever an adjustment is made that affects the CPMS reading and a "no adjustment" statement otherwise? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (d) The start time and duration (or start and stop times) of any periods when the CPMS is inoperative? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (e) The occurrence and duration of each startup, shutdown, and malfunction of the CPMS during which excess emissions occur? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (f) Documentation of whether procedures specified in the source's startup, shutdown, and malfunction plan were followed for each startup, shutdown, and malfunction during which excess emissions occurred? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (g) Documentation of each startup, shutdown, and malfunction event? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (h) Documentation that there were no excess emissions during each startup, shutdown, or malfunction event, as applicable? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (i) The total duration of operating time during the reporting period? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| 6. Are all required records kept for at least 5 years? §63.10(b)(1) | | <input type="checkbox"/> Y | <input type="checkbox"/> N |

II. Visual Inspection

- | | | |
|--|----------------------------|----------------------------|
| 1. Is a temperature monitoring device is present in the firebox or in the ductwork immediately downstream from the firebox, or is an approved alternative monitor present and operating? | <input type="checkbox"/> Y | <input type="checkbox"/> N |
|--|----------------------------|----------------------------|

Table 7-4. (continued)

III. Note All Deficiencies

Table 7-5. Compliance Checklist for Catalytic Incinerators

Note: A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a requirement is not applicable, check the “N/A” box.

Catalytic Incinerator Identification: _____

I. Review of Records

1. Does the facility maintain either of the following initial compliance records:

(a) Both of the following records of performance tests:

- Either the percent reduction or outlet concentration of organic HAP or TOC? §63.998(a)(2)(ii)(B)(4) ☐ Y ☐ N/A ☐ N
- The upstream temperature, downstream temperature, and temperature difference across the catalyst bed, all averaged over the full period of the performance test? §63.998(a)(2)(ii)(B)(2) ☐ Y ☐ N/A ☐ N

(b) Documentation of the design evaluation in the notification of compliance status report? §63.8075(d)(2)(ii) ☐ Y ☐ N/A ☐ N

Note: A design evaluation may be conducted as an alternative to a performance test if the catalytic incinerator is a small control device. §63.8000(d)(2)

2. Do records document that the facility meets one of the following monitoring requirements to demonstrate ongoing compliance for the catalytic incinerator: ☐ Y ☐ N

(a) Temperatures are monitored according to the following procedures: §§63.988(c)(2) and 63.998(c)(2)(ii)

- continuous monitoring of the gas stream temperature immediately before and after the catalyst bed?
- average temperature differential across the catalyst bed is determined daily?

(b) Has documentation that they requested and received approval to conduct an alternative to continuous monitoring or to monitor an alternative parameter(s)? §63.996(d)

3. For each continuously monitored parameter, has the facility:

(a) Established a site-specific operating range? §63.996(c)(6) ☐ Y ☐ N/A ☐ N

Table 7-5. (continued)

I. Review of Records

- (b) Maintained records of monitoring data in one of the following formats: ☐ Y ☐ N/A ☐ N
 §§63.998(b)(1) and 63.147(d)

- All measured values, or
- All block average values for 15-minute or shorter periods calculated from all measured data values during each period (or from at least one measured data value per minute if measured more frequently than once per minute), or
- All continuous records for only the most recent 3 valid hours of records, and block hourly average values for earlier data?

Note: To use the third option, the data must be collected from an automated CPMS, and the hourly averages must include periods of CPMS breakdown and malfunction (§63.998(b)(1)(iii)).

- (c) Maintained records of either daily average values or a statement that all values were within the established operating range? ☐ Y ☐ N/A ☐ N
 §§63.998(b)(3) and 63.147(d)

*Note: If the daily average value is not calculated and recorded, then continuous or short-term block averages may not be discarded as otherwise allowed by the third option in item “c” above.
 §63.998(b)(3)(ii)*

Note: Averages may be over an operating block if the catalytic incinerator is used to control emissions from process vessel vents and the owner or operator establishes separate operating limits for different emission episodes. §63.8005(f)

*Note: Daily (or operating block) averages must be reported in the compliance reports for all days when an excursion occurred. An excursion is either a daily average value outside the established range or a day for which insufficient monitoring data were collected.
 §63.999(c)(6)*

- (d) As an alternative to “b” and “c” above when the conditions for alternative recordkeeping in §63.998(b)(5)(i)(A) through (F) are met, does the facility meet both of the following requirements:

Note: This alternative is allowed if the catalytic incinerator is used for process vents and transfer racks, but not storage tanks. §63.998(b)(5) introductory paragraph

- Document in their notification of compliance status report or a compliance report that they were implementing this alternative? ☐ Y ☐ N/A ☐ N
- Retain only the daily average? ☐ Y ☐ N/A ☐ N

Note: No record of the daily average is required if 6 months have passed without an excursion. §§63.998(d)(5)(ii)

Table 7-5. (continued)

I. Review of Records

- | | |
|---|--|
| 4. If the facility monitors the inlet and outlet temperatures as specified in §63.988(c)(2), have they established a site-specific operating range for the temperature differential across the catalyst bed, and do they maintain records of the daily average temperature differential? §63.996(c)(6) and 63.998(c)(2)(ii) | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| 5. If the facility received approval to monitor an alternative parameter, are they performing the recordkeeping approved by the Administrator (§§63.999(d)(1) and (2), 63.8(f), and 63.10(b)(2)(vii))? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| <p><i>Note: If an alternative parameter is monitored continuously, the records described above in item "3" would be required for the alternative parameter. Alternative recordkeeping might be required if the alternative monitoring is not continuous.</i></p> | |
| 6. Do records document the occurrence and cause of all periods when the daily averages of the continuously monitored parameters are outside their established ranges? §63.998(c)(2)(iii) and 63.998(d)(5) | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| <p><i>Note: This requirement also applies to the temperature differential across the catalyst.</i></p> | |
| 7. For each CPMS, does the facility have manufacturer's or other written specifications or recommendations for installation, operation, and calibration of the monitoring equipment? §63.996(c)(1) and (3) | |
| 8. For each CPMS, does the facility have records of all of the following: §63.998(c)(1)(i) and (ii) | |
| (a) The procedure used for calibrating the CPMS? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (b) The date and time of completion of calibration and preventive maintenance of the CPMS? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (c) The "as found" and "as left" CPMS readings, whenever an adjustment is made that affects the CPMS reading and a "no adjustment" statement otherwise? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (d) The start time and duration (or start and stop times) of any periods when the CPMS is inoperative? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (e) The occurrence and duration of each startup, shutdown, and malfunction of the CPMS during which excess emissions occur? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (f) Documentation of whether procedures specified in the source's startup, shutdown, and malfunction plan were followed for each startup, shutdown, and malfunction during which excess emissions occurred? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (g) Documentation of each startup, shutdown, and malfunction event? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (h) Documentation that there were no excess emissions during each startup, shutdown, or malfunction event, as applicable? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (i) The total duration of operating time during the reporting period? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |

Table 7-5. (continued)**I. Review of Records**

9. Are all required records kept for at least 5 years? §63.10(b)(1) ☐ Y ☐ N

II. Visual Inspection

1. Are any one of the following monitoring devices present and operating:

(a) Temperature monitoring devices before and after the catalyst bed ☐ Y ☐ N/A ☐ N
(if complying with §63.988(c)(2))?

(b) Any other approved monitoring device (if complying with §63.996(d))? ☐ Y ☐ N/A ☐ N

III. Note All Deficiencies

Table 7-6. Compliance Checklist for a Boiler or Process Heater with a Design Heat Input Capacity Less than 44 Megawatts and the Vent Stream Is Not Introduced with the Primary Fuel

Note: A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a requirement is not applicable, check the “N/A” box.

Boiler or Process Heater Identification: _____

I. Review of Records

1. Does the facility maintain either of the following initial compliance records:

(a) All of the following records of performance tests:

- A description of the location at which the vent stream is introduced into the boiler or process heater? §63.998(a)(2)(ii)(B)(5) ☐ Y ☐ N/A ☐ N
- Either the percent reduction or outlet concentration of organic HAP or TOC? §63.998(a)(2)(ii)(B)(6) ☐ Y ☐ N/A ☐ N
- The firebox temperature averaged over the full period of the performance test? §63.998(a)(2)(ii)(B)(3) ☐ Y ☐ N/A ☐ N

(b) Documentation of the design evaluation in the notification of compliance status report? §63.8075(d)(2)(ii) ☐ Y ☐ N/A ☐ N

Note: A design evaluation may be conducted as an alternative to a performance test if the boiler or process heater is a small control device. §63.8000(d)(2)

2. Do records document that the facility continuously monitors the temperature of the gas stream in the firebox, or does the facility have documentation that they requested and received approval to conduct an alternative to continuous monitoring or to monitor an alternative parameter(s)? §§63.988(c)(1) and 63.996(d) ☐ Y ☐ N

3. For each continuously monitored parameter, has the facility:

- (a) Established a site-specific operating range for the monitored parameter? §63.996(c)(6) ☐ Y ☐ N/A ☐ N
 - (b) Followed manufacturer’s or other written specifications or recommendations for installation, operation, and calibration of the monitoring equipment? §63.996(c)(1) and (3) ☐ Y ☐ N/A ☐ N
-

Table 7-6. (continued)

I. Review of Records

- (c) Maintained records of continuously monitored values in one of the following formats: §63.998(b)(1) ☐ Y ☐ N/A ☐ N

- all measured values, or
- all block average values for 15-minute or shorter periods calculated from all measured data values during each period (or from at least one measured data value per minute if measured more frequently than once per minute), or
- all continuous records for only the most recent 3 valid hours of records, and block hourly average values for earlier data?

Note: To use the third option, the data must be collected from an automated CPMS, and the hourly averages must include periods of CPMS breakdown and malfunction (§63.998(b)(1)(iii)).

- (d) Maintained records of either daily average values or a statement that all values were within the established operating range? §63.998(b)(3) ☐ Y ☐ N/A ☐ N

Note: If the daily average value is not calculated and recorded, then continuous or short-term block averages may not be discarded as otherwise allowed by the third option in item “c” above.
§63.998(b)(3)(ii)

Note: Averages may be over an operating block if the boiler or process heater is used to control emissions from process vessel vents and the owner or operator establishes separate operating limits for different emission episodes. §63.8005(f)

Note: Daily (or operating block) averages must be reported in the compliance reports for all days when an excursion occurred. An excursion is either a daily average value outside the established range or a day for which insufficient monitoring data were collected.
§63.999(c)(6)

- (e) As an alternative to “c” and “d” above when the conditions for alternative recordkeeping in §63.998(b)(5)(i)(A) through (F) are met, does the facility meet both of the following requirements:

Note: This alternative is not allowed if the boiler or process heater is used only for storage tanks. §63.998(b)(5) introductory paragraph

- Document in their notification of compliance status report or a compliance report that they were implementing this alternative? ☐ Y ☐ N/A ☐ N
- Retain only the daily average? ☐ Y ☐ N/A ☐ N

Note: No record of the daily average is required if 6 months have passed without an excursion. §63.998(d)(5)(ii)

Table 7-6. (continued)

I. Review of Records

- | | |
|---|--|
| (f) Maintained records of the occurrence and cause of all periods when the monitored temperature is outside the established range?
§§63.998(c)(2)(iii) and 63.998(d)(5) | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| 4. If the facility received approval to monitor an alternative parameter, are they performing the recordkeeping approved by the Administrator? §63.999(d)(1) and (2), 63.8(f), and 63.10(b)(2)(vii) | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| <i>Note: If an alternative parameter is monitored continuously, the records described above in item "3" would be required for the alternative parameter. Alternative recordkeeping might be required if the alternative monitoring is not continuous.</i> | |
| 5. For any CPMS, does the facility have records of all of the following:
§63.998(c)(1)(i) and (ii) | |
| (a) The procedure used for calibrating the CPMS? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (b) The date and time of completion of calibration and preventive maintenance of the CPMS? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (c) The "as found" and "as left" CPMS readings, whenever an adjustment is made that affects the CPMS reading and a "no adjustment" statement otherwise? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (d) The start time and duration (or start and stop times) of any periods when the CPMS is inoperative? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (e) The occurrence and duration of each startup, shutdown, and malfunction of the CPMS during which excess emissions occur? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (f) Documentation of whether procedures specified in the source's startup, shutdown, and malfunction plan were followed for each startup, shutdown, and malfunction during which excess emissions occurred? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (g) Documentation of each startup, shutdown, and malfunction event? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (h) Documentation that there were no excess emissions during each startup, shutdown, or malfunction event, as applicable? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| (i) The total duration of operating time during the reporting period? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| 6. Are all required records kept for at least 5 years? §63.10(b)(1) | <input type="checkbox"/> Y <input type="checkbox"/> N |

II. Visual Inspection

- | | |
|--|---|
| 1. Is a temperature monitoring device present in the firebox, or is an approved alternative monitor present and operating? | <input type="checkbox"/> Y <input type="checkbox"/> N |
|--|---|

Table 7-6. (continued)

III. Note All Deficiencies

Table 7-7. Compliance Checklist for a Boiler or Process Heater with a Design Heat Input Capacity Greater than 44 Megawatts or the Emission Stream Is Introduced with the Primary Fuel

Note: A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a requirement is not applicable, check the “N/A” box.

Boiler or Process Heater Identification: _____

I. Review of Records

1. Do records describe the location at which the vent stream is introduced into the boiler or process heater? §63.998(a)(2)(ii)(B)(5) ☐ Y ☐ N/A ☐ N

II. Note All Deficiencies

Table 7-8. Compliance Checklist for a Regenerative Carbon Adsorber

Note: A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a requirement is not applicable, check the “N/A” box.

Carbon Adsorber Identification: _____

I. Review of Records

1. Does the facility maintain the initial compliance records in (a) or (b):

(a) Both of the following records of performance tests:

- Either the percent reduction or outlet concentration of organic HAP or TOC? §63.998(a)(2)(ii)(C)(5) ☐ Y ☐ N/A ☐ N
- Either the concentration of organic HAP or TOC at the outlet of the carbon adsorber averaged over the full period of the performance test, or all of the following during the period of each performance test: (1) the total regeneration stream mass or volumetric flow during each regeneration, (2) the temperature of the carbon bed after each regeneration, and (3) the temperature of the carbon bed within 15 minutes after the completion of each cooling cycle? §63.998(a)(2)(ii)(C)(3) and (4) ☐ Y ☐ N/A ☐ N

(b) Documentation of the design evaluation in the notification of compliance status report? §63.8075(d)(2)(ii) ☐ Y ☐ N/A ☐ N

Note: A design evaluation may be conducted as an alternative to a performance test if the carbon adsorber is a small control device. §63.8000(d)(2)

2. Do records document that the facility meets one of the following monitoring requirements for the carbon adsorber: ☐ Y ☐ N

- (a) Monitors the total regeneration stream mass or volumetric flow for each regeneration cycle, the temperature of the carbon bed after each regeneration, and the temperature of the carbon bed within 15 minutes after the completion of the regeneration cooling cycle? §63.990(c)(3)
 - (b) Uses an “organic monitoring device” to continuously monitor a parameter that provides an indication of the organic concentration at the outlet of the carbon adsorber? §63.990(c) introductory paragraph
 - (c) Has documentation that they requested and received approval to conduct an alternative to continuous monitoring or to monitor an alternative parameter(s)? §63.996(d)
-

Table 7-8. (continued)

I. Review of Records

3. For the monitored parameters, has the facility:

- (a) Established a site-specific operating range for each monitored parameter? ☐ Y ☐ N/A ☐ N
§63.996(c)(6)
- (b) Followed manufacturer's or other written specifications or recommendations for installation, operation, and calibration of the monitoring equipment? ☐ Y ☐ N/A ☐ N
§63.996(c)(1) and (3)
- (c) Maintained records of the following monitored parameters for each regeneration cycle, if complying with monitoring identified in item 2(a) of this checklist: §63.998(c)(3)(ii)
- Total regeneration stream mass or volumetric flow? ☐ Y ☐ N/A ☐ N
 - Temperature of the carbon bed after each regeneration? ☐ Y ☐ N/A ☐ N
 - Temperature of the carbon bed within 15 minutes of completing any cooling cycle? ☐ Y ☐ N/A ☐ N
- (d) Maintained records of the periods of operation when a monitored parameter was outside its established range and the cause of these deviations? §§63.998(c)(3)(iii) and 63.998(d)(5) ☐ Y ☐ N/A ☐ N

4. If the facility received approval to monitor an alternative parameter, are they performing the recordkeeping approved by the Administrator? §§63.999(d)(1) and (2), 63.8(f), and 63.10(b)(2)(vii) ☐ Y ☐ N/A ☐ N

5. For any CPMS, does the facility have records of all of the following: §63.998(c)(1)(i) and (ii)

- (a) The procedure used for calibrating the CPMS? ☐ Y ☐ N/A ☐ N
- (b) The date and time of completion of calibration and preventive maintenance of the CPMS? ☐ Y ☐ N/A ☐ N
- (c) The “as found” and “as left” CPMS readings, whenever an adjustment is made that affects the CPMS reading and a “no adjustment” statement otherwise? ☐ Y ☐ N/A ☐ N
- (d) The start time and duration (or start and stop times) of any periods when the CPMS is inoperative? ☐ Y ☐ N/A ☐ N
- (e) The occurrence and duration of each startup, shutdown, and malfunction of the CPMS during which excess emissions occur? ☐ Y ☐ N/A ☐ N
- (f) Documentation of whether procedures specified in the source's startup, shutdown, and malfunction plan were followed for each startup, shutdown, and malfunction during which excess emissions occurred? ☐ Y ☐ N/A ☐ N
- (g) Documentation of each startup, shutdown, and malfunction event? ☐ Y ☐ N/A ☐ N
- (h) Documentation that there were no excess emissions during each startup, shutdown, or malfunction event, as applicable? ☐ Y ☐ N/A ☐ N

Table 7-8. (continued)

I. Review of Records

- (i) The total duration of operating time during the reporting period? ☐ Y ☐ N/A ☐ N
6. Are all required records kept for at least 5 years? §63.10(b)(1) ☐ Y ☐ N

II. Visual Inspection

1. Are any one of the following monitoring devices present and operating:
- | | | | |
|--|----------------------------|------------------------------|----------------------------|
| (a) Temperature monitoring device in the carbon bed and a regeneration stream mass or volumetric flow monitoring device (if complying with §63.990(c)(3))? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (b) An organic monitoring device at the outlet of the carbon adsorber (if complying with §63.990(c) introductory paragraph)? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (c) Any other approved monitoring device (if complying with §63.996(d))? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |

III. Note All Deficiencies

Table 7-9. Compliance Checklist for an Absorber

Note: A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a requirement is not applicable, check the “N/A” box.

Absorber Identification: _____

I. Review of Records

1. Does the facility maintain the initial compliance records in (a) or (b):

(a) The following records of performance tests:

- Either the percent reduction or outlet concentration of organic HAP or TOC? §63.998(a)(2)(ii)(C)(5) ☐ Y ☐ N/A ☐ N
- Either the concentration of organic HAP or TOC at the outlet of the absorber averaged over the full period of the performance test, or both the temperature and specific gravity of the exiting scrubber liquid averaged over the full period of the performance test? §63.998(a)(2)(ii)(C)(1) and (4) ☐ Y ☐ N/A ☐ N

(b) Documentation of the design evaluation in the notification of compliance status report? §63.8075(d)(2)(ii) ☐ Y ☐ N/A ☐ N

Note: A design evaluation may be conducted as an alternative to a performance test if the absorber is a small control device.
§63.8000(d)(2)

2. Do records document that the facility meets one of the following monitoring requirements for the absorber: ☐ Y ☐ N

- (a) Continuously monitors the temperature and specific gravity of the scrubbing liquid exiting the absorber? §63.990(c)(1)
- (b) Uses an “organic monitoring device” to continuously monitor a parameter that provides an indication of the organic concentration at the outlet of the absorber? §63.990(c)(1)
- (c) Has documentation that they requested and received approval to conduct an alternative to continuous monitoring or to monitor an alternative parameter(s)? §63.996(d)

3. For each continuously monitored parameter, has the facility:

- (a) Established a site-specific operating range for the parameter? §63.996(c)(6) ☐ Y ☐ N/A ☐ N
 - (b) Followed manufacturer’s or other written specifications or recommendations for installation, operation, and calibration of the monitoring equipment? §63.996(c)(1) and (3) ☐ Y ☐ N/A ☐ N
-

Table 7-9. (continued)

I. Review of Records

- | | | |
|-----|--|--|
| (c) | Maintained records of the monitoring data in one of the following formats: §63.998(b)(1) | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| | <ul style="list-style-type: none"> • All measured values, or • All block average values for 15-minute or shorter periods calculated from all measured data values during each period (or from at least one measured data value per minute if measured more frequently than once per minute), or • All continuous records for only the most recent 3 valid hours of records, and block hourly average values for earlier data? <p><i>Note: To use the third option, the data must be collected from an automated CPMS, and the hourly averages must include periods of CPMS breakdown and malfunction (§63.998(b)(1)(iii)).</i></p> | |
| (d) | Maintained records of either daily average values or a statement that all values were within the established operating range? §63.998(b)(3) | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| | <p><i>Note: If the daily average value is not calculated and recorded, then continuous or short-term block averages may not be discarded as otherwise allowed by the third option in item “c” above.</i></p> <p>§63.998(b)(3)(ii)</p> <p><i>Note: Averages may be over an operating block if the absorber is used to control emissions from process vessel vents and the owner or operator has established separate operating limits for different emission episodes.</i></p> <p>§63.8005(f)</p> <p><i>Note: Daily (or operating block) averages must be reported in the compliance reports for all days when an excursion occurred. An excursion is either a daily average value outside the established range or a day for which insufficient monitoring data were collected.</i></p> <p>§63.999(c)(6)</p> | |
| (e) | As an alternative to “c” and “d” above when the conditions for alternative recordkeeping in §63.998(b)(5)(i)(A) through (F) are met, does the facility meet both of the following requirements: | |
| | <p><i>Note: This alternative is not allowed if the absorber is used only for storage tanks. §63.998(b)(5) introductory paragraph</i></p> <ul style="list-style-type: none"> • Document in their notification of compliance status report or a compliance report that they were implementing this alternative? | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |
| | <ul style="list-style-type: none"> • Retain only the daily average? <p><i>Note: No record of the daily average is required if 6 months have passed without an excursion. §63.998(d)(5)(ii)</i></p> | <input type="checkbox"/> Y <input type="checkbox"/> N/A <input type="checkbox"/> N |

Table 7-9. (continued)

I. Review of Records

(f) Maintained records of both the periods of operation when the daily average of any continuously monitored parameter was outside its established range and the cause of these deviations? §§63.998(c)(3)(iii) and 63.998(d)(5)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
4. If the facility received approval to monitor an alternative parameter, are they performing the recordkeeping approved by the Administrator? §§63.999(d)(1) and (2), 63.8(f), and 63.10(b)(2)(vii)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
5. For any CPMS, does the facility have records of all of the following: §63.998(c)(1)(i) and (ii)			
(a) The procedure used for calibrating the CPMS?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(b) The date and time of completion of calibration and preventive maintenance of the CPMS?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(c) The “as found” and “as left” CPMS readings, whenever an adjustment is made that affects the CPMS reading and a “no adjustment” statement otherwise?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(d) The start time and duration (or start and stop times) of any periods when the CPMS is inoperative?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(e) The occurrence and duration of each startup, shutdown, and malfunction of the CPMS during which excess emissions occur?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(f) Documentation of whether procedures specified in the source’s startup, shutdown, and malfunction plan were followed for each startup, shutdown, and malfunction during which excess emissions occurred?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(g) Documentation of each startup, shutdown, and malfunction event?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(h) Documentation that there were no excess emissions during each startup, shutdown, or malfunction event, as applicable?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(i) The total duration of operating time during the reporting period?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
6. Are all required records kept for at least 5 years? §63.10(b)(1)		<input type="checkbox"/> Y	<input type="checkbox"/> N

II. Visual Inspection

1. Are any one of the following monitoring devices present and operating:			
(a) Temperature and specific gravity monitoring devices in the scrubbing fluid exit line (if complying with §63.990(c)(1))?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(b) An organic monitoring device at the outlet of the absorber (if complying with §63.990(c)(1))?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(c) Any other approved monitoring device (if complying with §63.996(d))?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N

Table 7-9. (continued)

III. Note All Deficiencies

Table 7-10. Compliance Checklist for a Condenser

Note: A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a requirement is not applicable, check the “N/A” box.

Condenser Identification: _____

I. Review of Records

1. Does the facility maintain the initial compliance records in (a) or (b):

Note: This information is not required when complying with the specified temperature option in Table 1 to subpart HHHHH.

- (a) The following records of performance tests:

- Either the percent reduction or outlet concentration of organic HAP or TOC? §63.998(a)(2)(ii)(C)(5) ☐ Y ☐ N/A ☐ N
- Either the concentration of organic HAP or TOC at the outlet of the condenser averaged over the full period of the performance test, or the exit (product side) temperature averaged over the full period of the performance test? §63.998(a)(2)(ii)(C)(2) and (4) ☐ Y ☐ N/A ☐ N

- (b) Documentation of the design evaluation in the notification of compliance status report? §63.8075(d)(2)(ii) ☐ Y ☐ N/A ☐ N

Note: A design evaluation may be conducted as an alternative to a performance test if the condenser is a small control device. §63.8000(d)(2)

- (c) Calculations of the controlled emissions and corresponding percent reduction in the notification of compliance status report? §63.8075(d)(2)(ii) ☐ Y ☐ N/A ☐ N

Note: This option only applies if the only emissions routed to the condenser are from process vessel vents. §63.8005(d)(2)

2. Do records document that the facility meets one of the following monitoring requirements for the condenser: ☐ Y ☐ N

- (a) Continuously monitors the product side exit temperature of the condenser, or §63.990(c)(2)
 - (b) Uses an “organic monitoring device” to continuously monitor a parameter that provides an indication of the organic concentration at the outlet of the condenser, or §63.990(c)(2)
 - (c) Has documentation that they requested and received approval to conduct an alternative to continuous monitoring or to monitor an alternative parameter(s)? §63.996(d)
-

Table 7-10. (continued)

I. Review of Records

3. For each continuously monitored parameter, has the facility:

(a) Established a site-specific operating range for the parameter? ☐ Y ☐ N/A ☐ N
§63.996(c)(6)

(b) Followed manufacturer's or other written specifications or recommendations for installation, operation, and calibration of the monitoring equipment? §63.996(c)(1) and (3) ☐ Y ☐ N/A ☐ N

(c) Maintained records of the monitoring data in one of the following formats: §63.998(b)(1) ☐ Y ☐ N/A ☐ N

- All measured values, or
- All block average values for 15-minute or shorter periods calculated from all measured data values during each period (or from at least one measured data value per minute if measured more frequently than once per minute), or
- All continuous records for only the most recent 3 valid hours of records, and block hourly average values for earlier data?

Note: To use the third option, the data must be collected from an automated CPMS, and the hourly averages must include periods of CPMS breakdown and malfunction (§63.998(b)(1)(iii)).

(d) Maintained records of either daily average values or a statement that all values were within the established operating range? §63.998(b)(3) ☐ Y ☐ N/A ☐ N

Note: If the daily average value is not calculated and recorded, then continuous or short-term block averages may not be discarded as otherwise allowed by the third option in item "c" above.
§63.998(b)(3)(ii)

Note: Averages may be over an operating block if the condenser is used to control emissions from process vessel vents and the owner or operator establishes separate operating limits for different emission episodes.
§63.8005(f)

Note: Daily (or operating block) averages must be reported in the compliance reports for all days when an excursion occurred. An excursion is either a daily average value outside the established range or a day for which insufficient monitoring data were collected.
§63.999(c)(6)

(e) As an alternative to "c" and "d" above when the conditions for alternative recordkeeping in §63.998(b)(5)(i)(A) through (F) are met, does the facility meet both of the following requirements:

Note: This alternative is not allowed if the condenser is used only for storage tanks. §63.998(b)(5) introductory paragraph

Table 7-10. (continued)

I. Review of Records

• Document in their notification of compliance status report or a compliance report that they were implementing this alternative?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
• Retain only the daily average?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
<i>Note: No record of the daily average is required if 6 months have passed without an excursion. §63.998(d)(5)(ii)</i>			
(f) Maintained records of both the periods of operation when the daily average of any continuously monitored parameter was outside its established range and the cause of these deviations? §63.998(c)(3)(iii) and 63.998(d)(5)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
4. If the facility received approval to monitor an alternative parameter, are they performing the recordkeeping approved by the Administrator? §63.999(d)(1) and (2), 63.8(f), and 63.10(b)(2)(vii)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
5. For any CPMS, does the facility have records of all of the following: §63.998(c)(1)(i) and (ii)			
(a) The procedure used for calibrating the CPMS?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(b) The date and time of completion of calibration and preventive maintenance of the CPMS?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(c) The “as found” and “as left” CPMS readings, whenever an adjustment is made that affects the CPMS reading and a “no adjustment” statement otherwise?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(d) The start time and duration (or start and stop times) of any periods when the CPMS is inoperative?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(e) The occurrence and duration of each startup, shutdown, and malfunction of the CPMS during which excess emissions occur?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(f) Documentation of whether procedures specified in the source’s startup, shutdown, and malfunction plan were followed for each startup, shutdown, and malfunction during which excess emissions occurred?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(g) Documentation of each startup, shutdown, and malfunction event?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(h) Documentation that there were no excess emissions during each startup, shutdown, or malfunction event, as applicable?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(i) The total duration of operating time during the reporting period?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
6. Are all required records kept for at least 5 years? §63.10(b)(1)		<input type="checkbox"/> Y	<input type="checkbox"/> N

Table 7-10. (continued)**II. Visual Inspection**

1. Are any one of the following monitoring devices present and operating:

(a)	A temperature monitoring device at the product side exit of the condenser (if complying with §63.990(c)(2))?	Y	N/A	N
(b)	An organic monitoring device at the outlet of the condenser (if complying with §63.990(c)(2))?	Y	N/A	N
(c)	Any other approved monitoring device (if complying with §63.996(d))?	Y	N/A	N

III. Note All Deficiencies

Table 7-11. Compliance Checklist for a Control Device Not Specifically Listed

Note: A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a requirement is not applicable, check the “N/A” box.

Control Device or Recovery Device Identification: _____

I. Review of Records

1. Does the facility maintain the initial compliance records in (a) or (b):
- (a) Data collected during a performance test as approved by the Administrator? §63.998(a)(2)(i) ☐ Y ☐ N/A ☐ N
- (b) Documentation of a design evaluation in the notification of compliance status report? §63.8075(d)(2)(ii) ☐ Y ☐ N/A ☐ N
- Note: A design evaluation may be conducted as an alternative to a performance test if the device is a small control device. §63.8000(d)(2)*
2. If the facility received approval for any monitoring, are the parameters being monitored and recorded as approved by the Administrator? §§63.999(d)(2), 63.8(f), and 63.10(b)(2)(vii)? ☐ Y ☐ N/A ☐ N
3. Are all required records kept for at least 5 years? §63.10(b)(1) ☐ Y ☐ N

II. Visual Inspection

- | | | | |
|---|---|-----|---|
| 1. Are all approved monitoring devices present and operating? | Y | N/A | N |
|---|---|-----|---|

III. Note All Deficiencies

[illegible]

Table 7-12. Compliance Checklist for a Scrubber

Note: Use this checklist for scrubbers that control halogen atoms in halogenated vent streams prior to a combustion device or control hydrogen halide and halogen emissions that are generated by combusting a halogenated vent stream. A “yes” response to a question indicates compliance with that requirement, and a “no” response indicates noncompliance with the requirement. If a requirement is not applicable, check the “N/A” box.

Scrubber Identification: _____

I. Review of Records

1. Does the facility maintain the initial compliance records in (a) or (b):

(a) Either of the following records of performance tests:

- If the scrubber is used before a combustion device to reduce the halogen atom mass emission rate, a record of the halogen concentration prior to the combustion device? §§63.994(b)(2) and 63.998(a)(4) ☐ Y ☐ N/A ☐ N
- If the scrubber is used to control hydrogen halide and halogen emissions from process vents or after a combustion device, all of the following records: §63.998(a)(2)(ii)(D)
 - ▶ The resulting percent reduction, mass emission rate, or outlet concentration? ☐ Y ☐ N/A ☐ N
 - ▶ The pH or caustic strength of the scrubber effluent averaged over the time period of the performance test? ☐ Y ☐ N/A ☐ N
 - ▶ The scrubber liquid-to-gas ratio averaged over the time period of the performance test? ☐ Y ☐ N/A ☐ N

(b) Documentation of the design evaluation in the notification of compliance status report? §63.8075(d)(2)(ii) ☐ Y ☐ N/A ☐ N

Note: A performance test is required if the scrubber is used to control hydrogen halide and halogen emissions after a combustion unit that controls halogenated vent streams, and the scrubber is a large control device as defined in §63.8105(g). Either a design evaluation or performance test is required in all other situations. §§63.994(b)(1), 63.8000(c)(3) and (d)(2)

2. Do records document that the facility meets one of the following monitoring requirements for the scrubber: ☐ Y ☐ N

(a) Monitors all of the following parameters:

- Continuously monitors either the pH or the caustic strength of the scrubber effluent? §§63.994(c)(1)(i) and 63.8000(d)(5)(iii)
 - Continuously monitors the flow of the scrubber liquid influent? §63.994(c)(1)(ii)
-

Table 7-12. (continued)

I. Review of Records

- Has measured or otherwise determined the inlet gas flow?
§63.994(c)(1)(iii)
- (b) Has documentation that they requested and received approval to conduct an alternative to continuous monitoring or to monitor an alternative parameter(s)? §63.996(d)
- 3. For each continuously monitored parameter, has the facility:
 - (a) Established a site-specific operating range for the parameter? §63.996(c)(6) ☐ Y ☐ N/A ☐ N
 - (b) Followed manufacturer's or other written specifications or recommendations for installation, operation, and calibration of the monitoring equipment? §63.996(c)(1) and (3) ☐ Y ☐ N/A ☐ N
 - (c) Maintained records of the monitoring data in one of the following formats: §63.998(b)(1) ☐ Y ☐ N/A ☐ N
 - All measured values, or
 - All block average values for 15-minute or shorter periods calculated from all measured data values during each period (or from at least one measured data value per minute if measured more frequently than once per minute), or
 - All continuous records for only the most recent 3 valid hours of records, and block hourly average values for earlier data?

Note: To use the third option, the data must be collected from an automated CPMS, and the hourly averages must include periods of CPMS breakdown and malfunction (§63.998(b)(1)(iii)).
 - (d) Maintained records of either daily average values or a statement that all values were within the established operating range? §63.998(b)(3) ☐ Y ☐ N/A ☐ N

Note: If the daily average value is not calculated and recorded, then continuous or short-term block averages may not be discarded as otherwise allowed by the third option in item "c" above.

§63.998(b)(3)(ii)

Note: Daily averages must be reported in the compliance reports for all days when an excursion occurred. An excursion is either a daily average value outside the established range or a day for which insufficient monitoring data were collected. §63.999(c)(6)
 - (e) As an alternative to "c" and "d" above when the conditions for alternative recordkeeping in §63.998(b)(5)(i)(A) through (F) are met, does the facility meet both of the following requirements:

Note: This alternative is allowed if the scrubber is used only for process vessel vent and transfer racks, not storage tanks. §63.998(b)(5) introductory paragraph

Table 7-12. (continued)

I. Review of Records

• Document in their notification of compliance status report or a compliance report that they were implementing this alternative?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
• Retain only the daily average?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
<i>Note: No record of the daily average is required if 6 months have passed without an excursion. §63.998(d)(5)(ii)</i>			
(f) Maintained records of both the periods of operation when the daily average of any continuously monitored parameter was outside its established range and the cause of these deviations? §63.998(c)(3)(iii) and 63.998(d)(5)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
4. If the facility received approval to monitor an alternative parameter, are they performing the recordkeeping approved by the Administrator? §63.999(d)(1) and (2), 63.8(f), and 63.10(b)(2)(vii)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
5. For any CPMS, does the facility have records of all of the following: §63.998(c)(1)(i) and (ii)			
(a) The procedure used for calibrating the CPMS?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(b) The date and time of completion of calibration and preventive maintenance of the CPMS?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(c) The “as found” and “as left” CPMS readings, whenever an adjustment is made that affects the CPMS reading and a “no adjustment” statement otherwise?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(d) The start time and duration (or start and stop times) of any periods when the CPMS is inoperative?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(e) The occurrence and duration of each startup, shutdown, and malfunction of the CPMS during which excess emissions occur?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(f) Documentation of whether procedures specified in the source’s startup, shutdown, and malfunction plan were followed for each startup, shutdown, and malfunction during which excess emissions occurred?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(g) Documentation of each startup, shutdown, and malfunction event?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(h) Documentation that there were no excess emissions during each startup, shutdown, or malfunction event, as applicable?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(i) The total duration of operating time during the reporting period?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
6. Are all required records kept for at least 5 years? §63.10(b)(1)		<input type="checkbox"/> Y	<input type="checkbox"/> N

Table 7-12. (continued)**II. Visual Inspection**

1. Are either of the following monitoring devices present and operating:

- (a) Effluent pH or caustic strength monitor and effluent liquid flow monitor ☐ Y ☐ N/A ☐ N
(if complying with §63.994(c)(1))?
- (b) Any other approved monitoring device (if complying with ☐ Y ☐ N/A ☐ N
§§63.994(c)(2) and 63.996(d))?

III. Note All Deficiencies

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Section 8

Reporting Requirements

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Table 8-1. Inspection Checklist for Notification of Compliance Status Report

Note: A “yes” response to a question in this checklist means compliance with that requirement, and a “no” response means noncompliance with the requirement. If the question is not applicable, check the “N/A” box.

I. Review of Records

- | | | | |
|--|----------------------------|------------------------------|----------------------------|
| 1. Does the report include the results of all applicability determinations (e.g., HAP content of coating products, halogenated vent stream determinations, Group 1 or Group 2 determinations, and determinations of equipment in organic HAP service)? §63.8075(d)(2)(i) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| 2. Does the report include all of the following information related to initial compliance determinations, as applicable: | | | |
| (a) Emissions profiles and descriptions of worst-case operating and/or testing conditions when a performance test is conducted for a control device that is used to comply with an emission limit for process vessel vents? §63.8075(d)(2)(ii), 63.8005(d)(1), and 63.1257(b)(8) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (b) Performance test reports, including site-specific operating limits and supporting data and calculation records? §63.8075(d)(2)(ii) and (iii) and 63.999(a)(2) and (3) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (c) Flare compliance assessments? §63.8075(d)(2)(ii) and 63.999(a)(2) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (d) Design evaluations, including site-specific operating limits? §63.8075(d)(2)(ii) and (iii) and 63.999(b)(2)(i) through (iv) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (e) Any calculations used to demonstrate initial compliance (e.g., calculations of uncontrolled and controlled emissions if complying with emissions averaging for process vessel vents)? §63.8075(d)(2)(ii) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| 3. Does the report include descriptions of monitoring devices and monitoring frequencies? §63.8075(d)(2)(iii) | | | |
| 4. If complying with subpart UU for equipment leaks, does the report include all of the following information about equipment leaks: | | | |
| <i>Note: If complying with subpart TT, some of this information must be included in the initial compliance report, as indicated in Table 8-2.</i> | | | |
| (a) Identification of the affected facility? §63.1039(a)(1)(i) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (b) Number of each equipment type, excluding equipment in vacuum service? §63.1039(a)(1)(ii) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (c) Method of compliance with the standards? §63.1039(a)(1)(iii) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (d) If the method of compliance is pressure testing, the products or product codes and the planned schedule for pressure testing? §63.1039(a)(2) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (e) If the method of compliance is to enclose the affected facility, identification of the affected facility, a description of the system used to create a negative pressure in the enclosure, and a description of the control device to which the emissions are routed? §63.1039(a)(3) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |

Table 8-1. (continued)

I. Review of Records

5. If complying with subpart R for equipment leaks, does the report include the types, identification numbers, and location of all equipment in organic HAP service? §63.428(f) and 63.8015(b)(2) ☐ Y ☐ N/A ☐ N

6. Does the report identify the following equipment and related information, if applicable:

(a) Parts of the affected source that are subject to other rules and the authority under which the facility will comply for such equipment? §63.8075(d)(2)(iv) ☐ Y ☐ N/A ☐ N

Note: Section 63.8090 identifies other rules that may overlap with subpart HHHHH and the applicable compliance options.

(b) Storage tanks that comply with the vapor balancing option in §63.8010(e)? §63.8075(d)(2)(v) ☐ Y ☐ N/A ☐ N

(c) The following information if Group 1 wastewater is sent offsite for treatment: §63.8075(d)(2)(vi)

 - Name and location of the offsite treatment facility? ☐ Y ☐ N/A ☐ N
 - Description of the wastewater sent for treatment? ☐ Y ☐ N/A ☐ N
 - If treatment is in an enhanced biological treatment unit, the certification from the offsite facility that they will comply with the requirements of subpart HHHHH? ☐ Y ☐ N/A ☐ N

7. Has a responsible official of the affected source signed the report, certified its accuracy, and attested to whether the source has complied with the requirements in subpart FFFF? §63.9(h)(2)(i) introductory text ☐ Y ☐ N

II. Note All Deficiencies

Table 8-2. Inspection Checklist for Compliance Reports

Note: A “yes” response to a question in this checklist means compliance with that requirement, and a “no” response means noncompliance with the requirement. If the question is not applicable, check the “N/A” box.

I. Review of Records

1. Do compliance reports include all of the following general information:
 - (a) Company name and address? §63.8075(e)(1) ☐ Y ☐ N
 - (b) Date of the report, and beginning and ending dates of the reporting period? §63.8075(e)(3) ☐ Y ☐ N
 - (c) Name, title, and signature by a responsible official of the company certifying the accuracy of the report? §63.8075(e)(2) ☐ Y ☐ N
2. If excess emissions occurred (e.g., a daily average operating parameter exceeded an operating limit) with any startup, shutdown, and/or malfunction during a reporting period, does the compliance report for that period include the following records: §63.8075(e)(5)
 - (a) That procedures in the facility’s SSMP were followed, or documentation of actions taken that were inconsistent with the SSMP? ☐ Y ☐ N/A ☐ N
 - (b) A brief description of each malfunction? ☐ Y ☐ N/A ☐ N
3. If there were no deviations from any emission limit, operating limit, or work practice standard during a reporting period, does the compliance report for that period include a statement documenting the absence of any such deviations? §63.8075(e)(6)(i) ☐ Y ☐ N/A ☐ N
4. If a reporting period included deviations from any emission limits, operating limits, and/or work practice standards where ongoing compliance is not demonstrated by using a CMS, does the compliance report for the period include the following information: §63.8075(e)(6)(ii)
 - (a) The total operating time of the affected source during the reporting period? ☐ Y ☐ N/A ☐ N
 - (b) The total number of deviations? ☐ Y ☐ N/A ☐ N
 - (c) The total duration of deviations? ☐ Y ☐ N/A ☐ N
 - (d) The cause(s) of deviations (including unknown cause, if applicable)? ☐ Y ☐ N/A ☐ N
 - (e) The corrective action(s) taken? ☐ Y ☐ N/A ☐ N
 - (f) Operating logs for the day(s) during which the deviation occurred? ☐ Y ☐ N/A ☐ N

Note: Operating logs are not required for deviations of the work practice standards for equipment leaks.

Table 8-2. (continued)

I. Review of Records

-
5. If a reporting period included any deviations from an emission limit or operating limit where a CMS is used to demonstrate ongoing compliance, does the compliance report for that period include the following information for the days when the deviations occurred (e.g., daily average of the monitored parameter does not meet the operating limit, or data availability requirements are not met): §§63.8075(e)(6)(iii) and 63.999(c)(6)(i)
- | | | | |
|---|----------------------------|------------------------------|----------------------------|
| (a) Date and time each CMS was inoperative (except for zero [low-level] and high level checks)? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (b) For a CEMS, the date, time, and duration that the CEMS was out of control, and corrective actions taken? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (c) Date and time that each deviation started and stopped, and indication of whether the deviation occurred during a period of SSM? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (d) Identification of each HAP known to be in the emission stream or wastewater stream? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (e) Identification of the CMS? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (f) Description of the product being produced? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (g) Date of the most recent CMS certification or audit? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (h) Operating day averages of the operating parameter (or pollutant concentration)? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (i) Summary statistics regarding the total duration and causes for all deviations from emission limits and operating limits? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (j) Summary of the total duration of CMS downtime during the reporting period, and calculation of the total duration as a percentage of the total operating time for the affected source during the reporting period? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
6. For each CEMS that was never out of control during a reporting period, does the compliance report for that period include a statement documenting this result? §63.8075(e)(7)
- | | | | |
|--|----------------------------|------------------------------|----------------------------|
| | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
|--|----------------------------|------------------------------|----------------------------|
7. If a flare is used to comply with an emission limit in subpart HHHHH, does the compliance report include records of periods when all pilot flames were absent or the flare flame was absent? §63.999(c)(3)
- | | | | |
|--|----------------------------|------------------------------|----------------------------|
| | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
|--|----------------------------|------------------------------|----------------------------|
8. If a carbon adsorber is used to comply with an emission limit in subpart HHHHH, does the compliance report document all carbon bed regeneration cycles during which a monitored parameter (e.g., regeneration stream flow or carbon bed temperature) did not meet an applicable operating limit? §63.999(c)(6)(ii)
-

Table 8-2. (continued)

I. Review of Records

9. If a closed-vent system is required to route emissions to a control device, does the compliance report include the following information about the closed-vent system: §63.999(c)(2)
- (a) The following records when a leak is detected:
- Identification information of the leaking closed-vent system? ☐ Y ☐ N/A ☐ N
 - Name, initials, or identification number of operator conducting the inspection? ☐ Y ☐ N/A ☐ N
 - Instrument identification number, if instrument monitoring applies? ☐ Y ☐ N/A ☐ N
 - Date the leak was detected? ☐ Y ☐ N/A ☐ N
 - Date of the first attempt to repair the leak? ☐ Y ☐ N/A ☐ N
 - Maximum instrument reading after the leak is repaired or determined to be non-repairable? ☐ Y ☐ N/A ☐ N
 - Explanation of delay in repair, if the leak was not repaired within 15 days after it was discovered? ☐ Y ☐ N/A ☐ N
 - Date of successful repair of the leak? ☐ Y ☐ N/A ☐ N
- (b) The times when a vent stream is diverted from the control device through a bypass line? ☐ Y ☐ N/A ☐ N
- (c) The times when maintenance is performed in car-sealed valves, when the seal is broken, when the bypass line valve position is changed, or the key for a lock-and-key type configuration has been checked out? ☐ Y ☐ N/A ☐ N
10. If complying with the equipment leak requirements in §§63.424 and 63.428 of subpart R, does the compliance report include the following information for each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection: §63.424(h)(4) as referenced from Table 3 to subpart HHHHH
- (a) The date the leak was detected? ☐ Y ☐ N/A ☐ N
- (b) The date of each attempt to repair the leak? ☐ Y ☐ N/A ☐ N
- (c) The reasons for the delay of repair? ☐ Y ☐ N/A ☐ N
- (d) The date of successful repair? ☐ Y ☐ N/A ☐ N
11. If complying with the equipment leak requirements in subpart TT, does the initial compliance report include the following information: §63.1018(a)(1)
- (a) Identification of the affected facility? ☐ Y ☐ N/A ☐ N
- (b) Number of valves subject to leak detection and repair requirements (excluding valves designated for no detectable emissions)? ☐ Y ☐ N/A ☐ N

Table 8-2. (continued)

I. Review of Records

- | | | | | |
|-----|---|----------------------------|------------------------------|----------------------------|
| (c) | Number of pumps subject to leak detection and repair requirements (excluding pumps designated for no detectable emissions and pumps for which leaks are routed through a closed-vent system to a control device)? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (d) | Number of compressors subject to leak detection and repair requirements (excluding compressors designated for no detectable emissions and compressors for which leaks are routed through a closed-vent system to a control device)? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
12. If complying with the equipment leak requirements in subpart TT, do all compliance reports include the following information: §63.1018(a)(2)
- | | | | | |
|-----|--|----------------------------|------------------------------|----------------------------|
| (a) | Affected facility identification? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (b) | All of the following information for each month in the reporting period: | | | |
| | • Number of valves for which leaks were detected? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| | • Number of valves for which leaks were not repaired? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| | • Number of pumps for which leaks were detected? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| | • Number of pumps for which leaks were not repaired? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| | • Number of compressors for which leaks were detected? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| | • Number of compressors for which leaks were not repaired? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| | • Explanation of each delay of repair and, if applicable, why the repair was technically infeasible without a shutdown of the affected facility? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (c) | Dates of any shutdown of the affected facility that occurred during the reporting period? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
13. If complying with the equipment leak requirements in subpart UU, does the compliance report include the following information:
- | | | | | |
|-----|---|----------------------------|------------------------------|----------------------------|
| (a) | A summary of the following data for valves in gas and vapor service and light liquid service, pumps in light liquid service, connectors in gas and vapor service and light liquid service, agitators in gas and vapor service and light liquid service, and compressors: §63.1039(b)(1) | | | |
| | • Number of each type of component for which leaks were detected? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| | • The percent leakers for valves, pumps, and connectors? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| | • Total number of components monitored? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| | • Number of leaking components that were not repaired? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| | • The number of valves and connectors determined to be nonrepairable? | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (b) | Documentation of the occurrence and number of times delay of repair has been used? §63.1039(b)(2) | <input type="checkbox"/> Y | <input type="checkbox"/> N/A | <input type="checkbox"/> N |
| (c) | The following records of any valve subgroups: §63.1039(b)(3) | | | |

Table 8-2. (continued)

I. Review of Records

• The valves assigned to each subgroup?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
• Monitoring results and calculations made for each subgroup for each monitoring period?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
• Identification of any valves that have been reassigned from one subgroup to another during the reporting period, and the date of such reassignments?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
• Results of the semiannual overall performance calculation?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(d) For pressure relief devices and compressors operating with an instrument reading less than 500 ppm above background, results of all monitoring conducted during the reporting period to show compliance? §63.1039(b)(4)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(e) Documentation of the initiation of a monthly monitoring program for valves, if applicable? §63.1039(b)(5)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(f) Documentation of the initiation of a quality improvement program for pumps, if applicable? §63.1039(b)(6)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(g) If compliance is demonstrated by pressure testing, records of the following: §63.1039(b)(7)			
• Process equipment train identification?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
• The number of pressure tests conducted?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
• The number of pressure tests where the equipment train failed the pressure test?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
• Explanation for any delay of repair?	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
14. If a floating roof is used to meet the emission limit for a storage tank, does each compliance report include the following information:			
(a) Notification at least 30 days before a planned inspection (7 days if the inspection is unplanned or the owner or operator could not have known about it 30 days in advance)? §63.1066(b)(1)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(b) Records of inspection results when failures are identified (i.e., storage tank identification, date of inspection, description of failure, description of repairs and the dates they were made, and date storage tank is removed from service, if applicable)? §63.1066(b)(2)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(c) Any request to use an alternate control device? §63.1066(b)(3)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N
(d) Any request for extension to conduct inspection of a floating roof determined to be unsafe to inspect or for an extension for repair if repair could not be completed or the vessel emptied within 45 days after a failed inspection? §63.1066(b)(4)	<input type="checkbox"/> Y	<input type="checkbox"/> N/A	<input type="checkbox"/> N

Table 8-2. (continued)

I. Review of Records

15. If emissions from a storage tank are routed to a control device, does each compliance report include all of the following information related to periods of planned routine maintenance:
- (a) All of the following records of periods of planned routine maintenance during the reporting period: §63.999(c)(4)(i)
 - The time of day and date when each period of planned routine maintenance started? ☐ Y ☐ N/A ☐ N
 - The time of day and date when each period of planned routine maintenance ends? ☐ Y ☐ N/A ☐ N
 - Description of the type of maintenance performed? ☐ Y ☐ N/A ☐ N
 - (b) Total number of hours in the current and preceding reporting periods when the control device was not operating due to planned routine maintenance? §63.999(c)(4)(ii) ☐ Y ☐ N/A ☐ N
 - (c) A description of the planned routine maintenance for the next reporting period (i.e., the type of maintenance to be performed, the expected frequency of the maintenance, and the expected length of the maintenance periods)? §63.999(c)(4)(iii) ☐ Y ☐ N/A ☐ N
16. If the facility sends Group 1 wastewater to an onsite enhanced biological treatment unit, is the facility complying with approved reporting requirements? §63.8020(c) ☐ Y ☐ N/A ☐ N
- Note: The approved reporting requirements should be consistent with reporting procedures described in the precompliance report or follow-up documentation. See the checklist in Table 5-1 for example monitoring parameters.*
17. If the facility invokes the delay of repair provisions for heat exchange system leaks, is the following information included in the next compliance report: §63.104(f)(2) as referenced from §63.8075(e)(4)
- (a) Identification of the leak? ☐ Y ☐ N/A ☐ N
 - (b) The date the leak was detected? ☐ Y ☐ N/A ☐ N
 - (c) Whether or not the leak has been repaired? ☐ Y ☐ N/A ☐ N
 - (d) Reason(s) for the delay of repair? ☐ Y ☐ N/A ☐ N
 - (e) Documentation of emissions estimates, if repair was delayed because emissions from shutdown could be greater than emissions likely to result from delaying repair? ☐ Y ☐ N/A ☐ N
 - (f) Either the expected date of repair (if the leak remains unrepaired) or the date the leak was successfully repaired? ☐ Y ☐ N/A ☐ N

Table 8-2. (continued)**I. Review of Records**

18. Does the compliance report document any changes to information originally reported in the notification of compliance status report (or the initial compliance report, if complying with subpart TT for equipment leaks)? ☐ Y ☐ N/A ☐ N
§§63.8075(e)(8), 63.1018(a)(2)(iv), and 63.1039(b)(8)

Note: Advance notification is required for 3 types of planned changes: any change in information submitted in the precompliance report, a change in status of a control device from small to large, and a change in compliance status.

II. Note All Deficiencies